

Course Title: Technologies for Information Operations
MASL: P179220
Course Length: 3 weeks (2007 dates: May 18 – April 30, 2007)

Course Description: A course tailored for mid to high level officers (Capt – LtCol) based on recent research and development in associated Information Operations technologies. The course is a technical workshop presented by various NPS faculty that covers several exciting technology areas important for tomorrow's war fighters. Examples of areas covered include: Decision modeling and tactical analysis as an introduction to special methodologies of command and control; newest developments in unmanned aerial vehicles, cruise missile technologies and SAR image compression techniques, high-speed networking, wideband receiver design methods as well as wireless antennas; ultra wideband impulse methods; atmospheric predictions; weapons effects and radar and laser cross-section engineering. Topics will vary depending on faculty availability.

There are two tracks available:

- (1) Command and Control warfare
- (2) Weapons Systems

The course also offers fieldtrips to different defense related engineering facilities, and serves as an excellent opportunity for the exchange of information and technology among participants in a stimulating environment

Quotas: 16 allocated to the Swedish National Defense College;
24 worldwide on first come first serve basis

Course Pre-requisites

- (1) Undergraduate engineering degree or equivalent
- (2) Calculus/calculus-based physics sequence required
- (3) Test of English as a Foreign Language (TOEFL) score of 207; ECL score of 95 in lieu of TOEFL will be considered on a case by case basis

Course tuition: Cost will be determined based on number of student quotas filled (initial estimate will be approximately \$3500 per student). Living allowance (Based on BOQ cost of \$15 per day plus \$55 Per Diem) will be approximately \$1500.